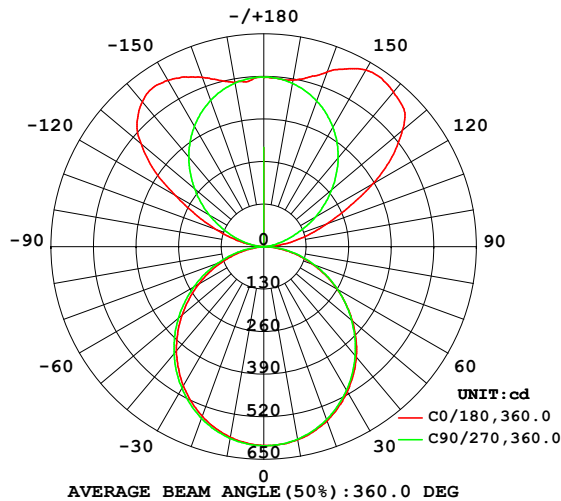


## LUMINAIRE PHOTOMETRIC TEST REPORT

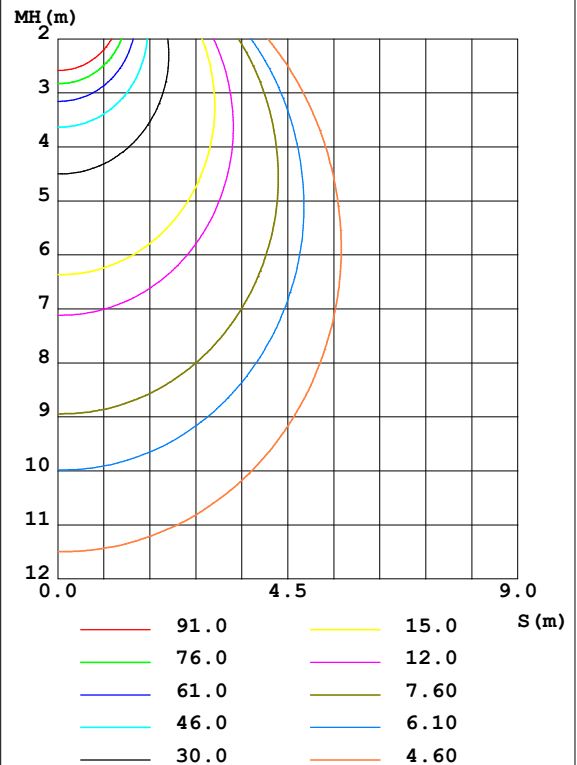
Test:U:119.0V I:0.2100A P:24.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3487.07x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.04 lm/W			
MODEL		I <sub>max</sub> (cd)	628.0	S/MH(C0/180)	1.25
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	3487.1	η UP,DN(C0-180)	25.8,24.4
NOMINAL FLUX(lm)	3487.07	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	26.6,23.3
LAMPS INSIDE	1	η up(%)	52.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	47.7	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

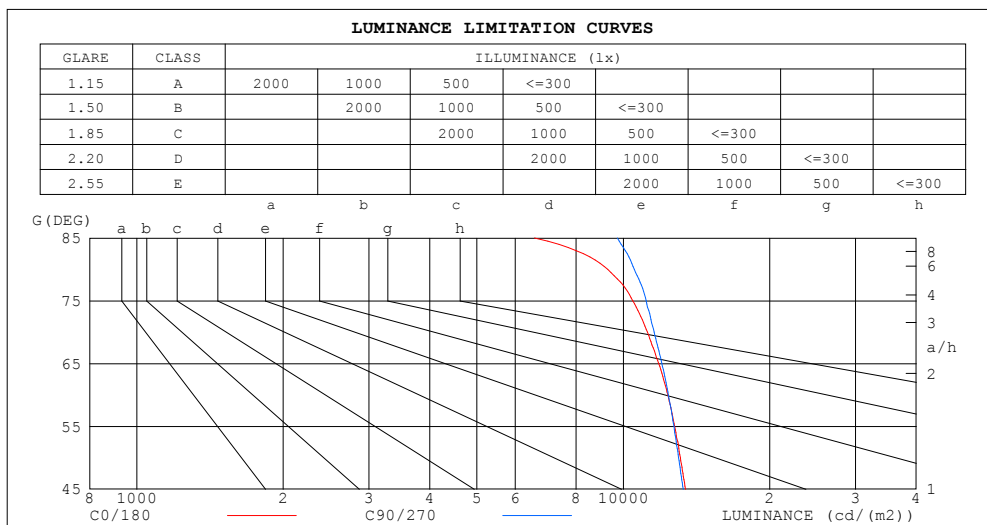
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	598.8	598.6	597.2	597.0	591.1	592.1	595.3	595.3	0- 10	57.45	57.45	1.65,1.65
20	565.9	565.5	562.4	561.3	550.9	552.7	557.9	557.8	10- 20	163.6	221.1	6.34,6.34
30	511.8	511.4	506.3	505.8	491.8	493.4	499.9	500.5	20- 30	245.6	466.7	13.4,13.4
40	440.4	440.8	434.8	433.6	416.0	418.9	426.6	427.3	30- 40	292.5	759.1	21.8,21.8
50	353.8	358.2	350.8	350.2	325.7	332.4	340.9	341.5	40- 50	299.3	1058	30.4,30.4
60	259.3	264.9	260.0	257.0	229.9	236.4	247.2	245.2	50- 60	266.1	1325	38,38
70	161.0	168.7	166.3	161.0	132.2	139.7	151.4	147.3	60- 70	199.5	1524	43.7,43.7
80	67.79	74.66	76.81	68.03	40.96	49.22	59.85	55.01	70- 80	112.3	1636	46.9,46.9
90	3.435	3.242	1.344	2.005	0.5131	2.584	0.5095	3.532	80- 90	26.43	1663	47.7,47.7
100	87.73	80.17	25.99	63.68	47.75	86.96	41.15	102.8	90-100	29.89	1693	48.5,48.5
110	206.6	200.0	93.23	184.3	156.9	215.3	108.5	238.4	100-110	125.4	1818	52.1,52.1
120	386.0	340.0	183.4	321.4	309.9	342.0	191.2	365.1	110-120	239.0	2057	59,59
130	553.6	452.2	271.2	432.0	489.7	442.4	276.3	464.8	120-130	327.6	2385	68.4,68.4
140	617.1	520.7	354.1	491.0	577.8	489.4	357.1	516.8	130-140	355.8	2741	78.6,78.6
150	623.8	531.9	422.7	508.0	586.7	503.3	424.5	521.4	140-150	316.3	3057	87.7,87.7
160	568.2	515.8	473.7	503.7	550.3	498.2	475.6	507.2	150-160	237.4	3294	94.5,94.5
170	516.6	509.3	506.6	504.0	510.1	502.6	508.0	507.9	160-170	144.0	3438	98.6,98.6
180	516.5	516.5	516.5	516.5	516.5	516.5	516.5	516.5	170-180	48.85	3487	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:119.0V I:0.2100A P:24.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3487.07x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6566	9717
80	9295	10532
75	10461	11150
70	11210	11576
65	11828	12005
60	12348	12380
55	12753	12711
50	13104	12994
45	13418	13277

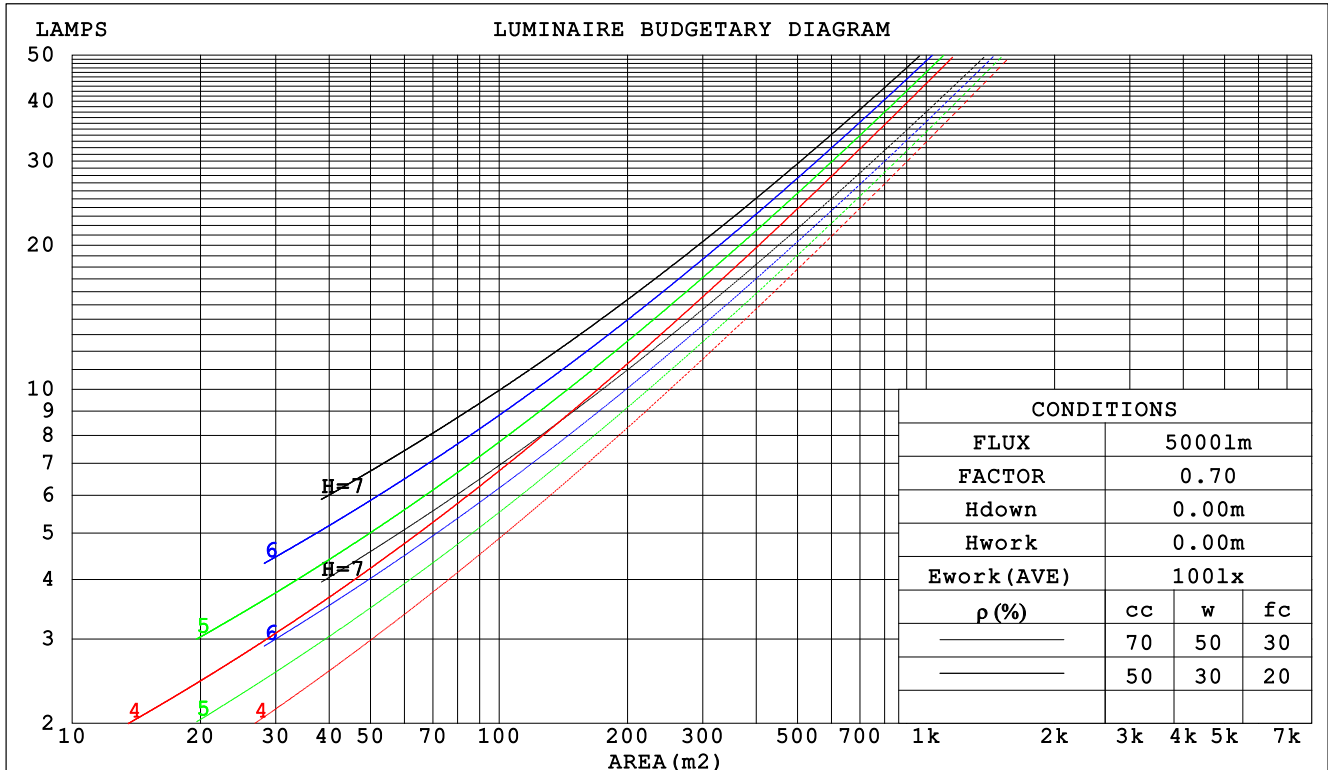
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.0V I:0.2100A P:24.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3487.07x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.07	1.07	1.07	.98	.98	.98	.82	.82	.82	.67	.67	.67	.54	.54	.54	.48
1.0	.93	.89	.86	.86	.82	.79	.72	.69	.67	.59	.58	.56	.48	.47	.46	.40
2.0	.81	.75	.70	.75	.69	.65	.63	.59	.56	.52	.49	.47	.42	.40	.38	.33
3.0	.71	.64	.58	.66	.59	.54	.55	.51	.47	.46	.42	.39	.37	.35	.32	.28
4.0	.63	.55	.49	.58	.51	.46	.49	.44	.40	.41	.37	.34	.33	.30	.28	.24
5.0	.56	.48	.42	.52	.45	.39	.44	.38	.34	.37	.32	.29	.30	.27	.24	.21
6.0	.50	.42	.36	.46	.39	.34	.39	.34	.30	.33	.29	.25	.27	.24	.21	.18
7.0	.45	.37	.32	.42	.35	.30	.36	.30	.26	.30	.26	.22	.24	.21	.19	.16
8.0	.41	.33	.28	.38	.31	.26	.33	.27	.23	.27	.23	.20	.22	.19	.17	.14
9.0	.37	.30	.25	.35	.28	.23	.30	.24	.21	.25	.21	.18	.21	.18	.15	.13
10.0	.34	.27	.22	.32	.25	.21	.27	.22	.19	.23	.19	.16	.19	.16	.14	.12



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:119.0V I:0.2100A P:24.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3487.07x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.280	.159	.050	.257	.146	.047	.214	.123	.039	.175	.101	.032	.139	.080	.026		
2.0	.261	.143	.044	.240	.132	.041	.201	.112	.035	.165	.093	.029	.132	.075	.024		
3.0	.241	.128	.038	.223	.119	.036	.187	.101	.031	.154	.084	.026	.123	.068	.021		
4.0	.223	.116	.034	.206	.108	.032	.173	.092	.027	.143	.077	.023	.115	.062	.019		
5.0	.207	.106	.031	.191	.098	.029	.161	.084	.025	.133	.070	.021	.107	.057	.017		
6.0	.193	.097	.028	.178	.090	.026	.150	.077	.022	.124	.064	.019	.100	.053	.016		
7.0	.180	.089	.025	.166	.083	.024	.140	.071	.020	.116	.060	.017	.093	.049	.014		
8.0	.168	.082	.023	.156	.077	.022	.132	.066	.019	.109	.055	.016	.088	.045	.013		
9.0	.158	.076	.021	.146	.071	.020	.124	.061	.017	.103	.051	.015	.083	.042	.012		
10.0	.149	.071	.020	.138	.067	.019	.117	.057	.016	.097	.048	.014	.078	.039	.011		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.589	.589	.589	.503	.503	.503	.344	.344	.344	.197	.197	.197	.063	.063	.063	
1.0	.580	.558	.539	.496	.479	.464	.340	.330	.321	.195	.191	.186	.063	.061	.060	
2.0	.573	.537	.506	.491	.462	.438	.336	.320	.305	.194	.186	.179	.062	.060	.058	
3.0	.566	.521	.485	.485	.449	.421	.333	.312	.295	.192	.182	.174	.062	.059	.057	
4.0	.559	.509	.471	.480	.440	.409	.330	.306	.288	.191	.180	.170	.061	.058	.056	
5.0	.553	.500	.461	.475	.432	.401	.327	.302	.283	.189	.177	.168	.061	.058	.055	
6.0	.546	.492	.453	.470	.426	.395	.324	.298	.279	.188	.176	.166	.061	.057	.055	
7.0	.540	.486	.448	.465	.421	.390	.321	.295	.277	.187	.174	.165	.060	.057	.054	
8.0	.535	.481	.444	.460	.417	.387	.319	.293	.275	.185	.173	.164	.060	.057	.054	
9.0	.530	.477	.441	.456	.414	.385	.316	.291	.273	.184	.172	.163	.060	.056	.054	
10.0	.524	.473	.438	.452	.411	.383	.314	.289	.272	.183	.171	.162	.059	.056	.054	

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

Test:U:119.0V I:0.2100A P:24.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3487.07x1 lm										
NAME: 2FT					TYPE:3500K 5.5			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:0.6*0.07			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	18.4	19.3	19.3	20.2	21.3	18.4	19.3	19.3	20.2	21.3
3H	19.8	20.6	20.7	21.5	22.7	19.8	20.7	20.7	21.6	22.7
4H	20.3	21.1	21.3	22.0	23.2	20.4	21.2	21.4	22.1	23.3
6H	20.7	21.4	21.6	22.4	23.6	20.9	21.6	21.8	22.5	23.7
8H	20.8	21.5	21.7	22.4	23.6	21.0	21.7	22.0	22.6	23.9
12H	20.8	21.5	21.8	22.4	23.6	21.1	21.8	22.1	22.7	23.9
4H 2H	18.9	19.6	19.8	20.6	21.7	18.8	19.6	19.8	20.5	21.7
3H	20.4	21.1	21.4	22.0	23.3	20.5	21.1	21.4	22.1	23.3
4H	21.1	21.7	22.1	22.6	23.9	21.2	21.8	22.1	22.7	24.0
6H	21.6	22.1	22.5	23.0	24.3	21.7	22.2	22.7	23.2	24.5
8H	21.7	22.2	22.7	23.2	24.5	21.9	22.4	22.9	23.4	24.7
12H	21.7	22.2	22.7	23.2	24.5	22.1	22.5	23.1	23.5	24.8
8H 4H	21.2	21.7	22.2	22.7	24.0	21.3	21.8	22.3	22.8	24.1
6H	21.9	22.2	22.9	23.3	24.6	22.0	22.4	23.1	23.4	24.8
8H	22.1	22.4	23.1	23.4	24.8	22.3	22.7	23.4	23.7	25.0
12H	22.2	22.5	23.2	23.5	24.9	22.5	22.8	23.6	23.8	25.2
12H 4H	21.2	21.6	22.2	22.6	24.0	21.3	21.7	22.3	22.7	24.0
6H	21.9	22.2	22.9	23.2	24.6	22.0	22.4	23.1	23.4	24.8
8H	22.1	22.4	23.2	23.5	24.8	22.4	22.7	23.4	23.7	25.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 3487 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.3)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:119.0V I:0.2100A P:24.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3487.07x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

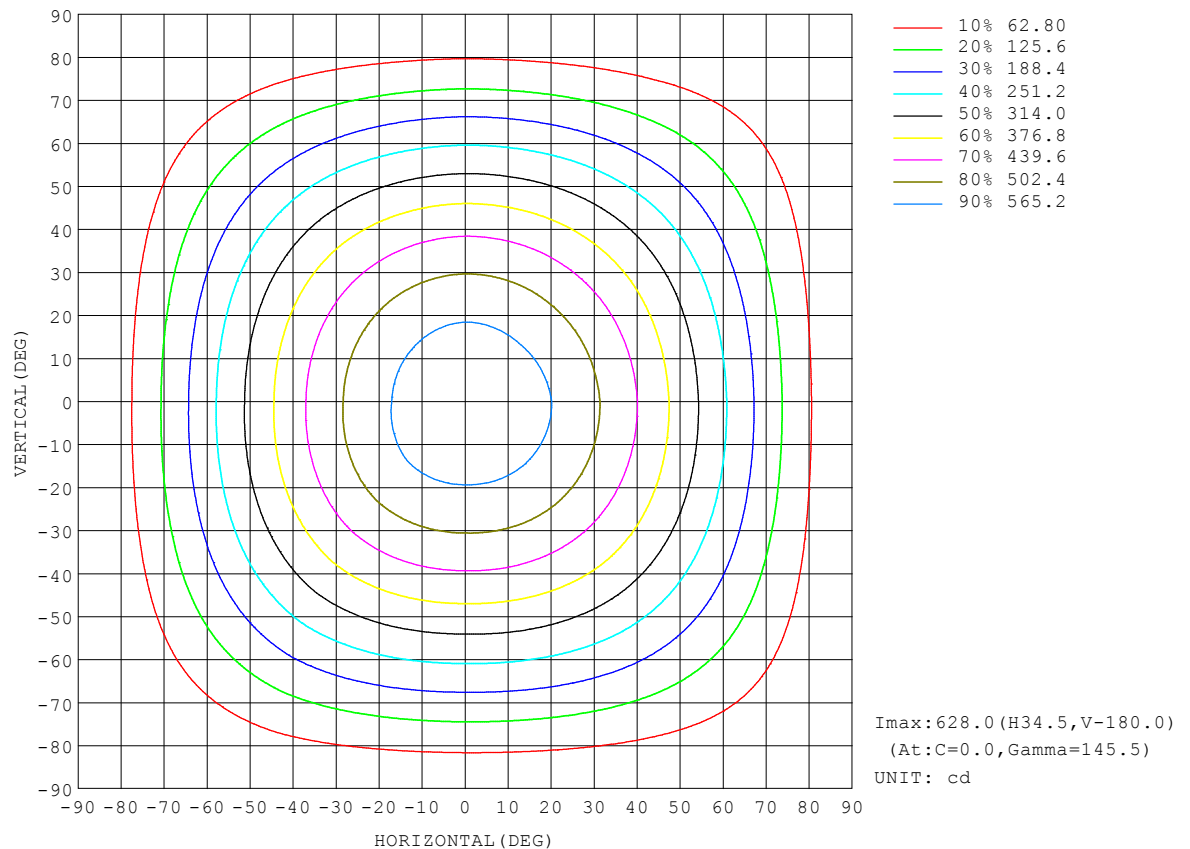
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	43	33	26	41	31	25	36	28	23	16
0.80	53	41	34	50	39	33	43	35	30	20
1.00	61	49	42	57	47	40	49	43	36	24
1.25	68	57	49	63	53	47	54	47	42	28
1.50	73	62	55	68	58	52	58	51	46	30
2.00	80	71	64	74	66	60	63	57	53	34
2.50	84	76	69	78	71	65	66	61	57	36
3.00	88	80	74	81	75	69	69	64	60	38
4.00	92	86	81	85	80	75	72	68	65	40
5.00	95	89	85	87	83	79	74	70	68	41
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:119.0V I:0.2100A P:24.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3487.07x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:



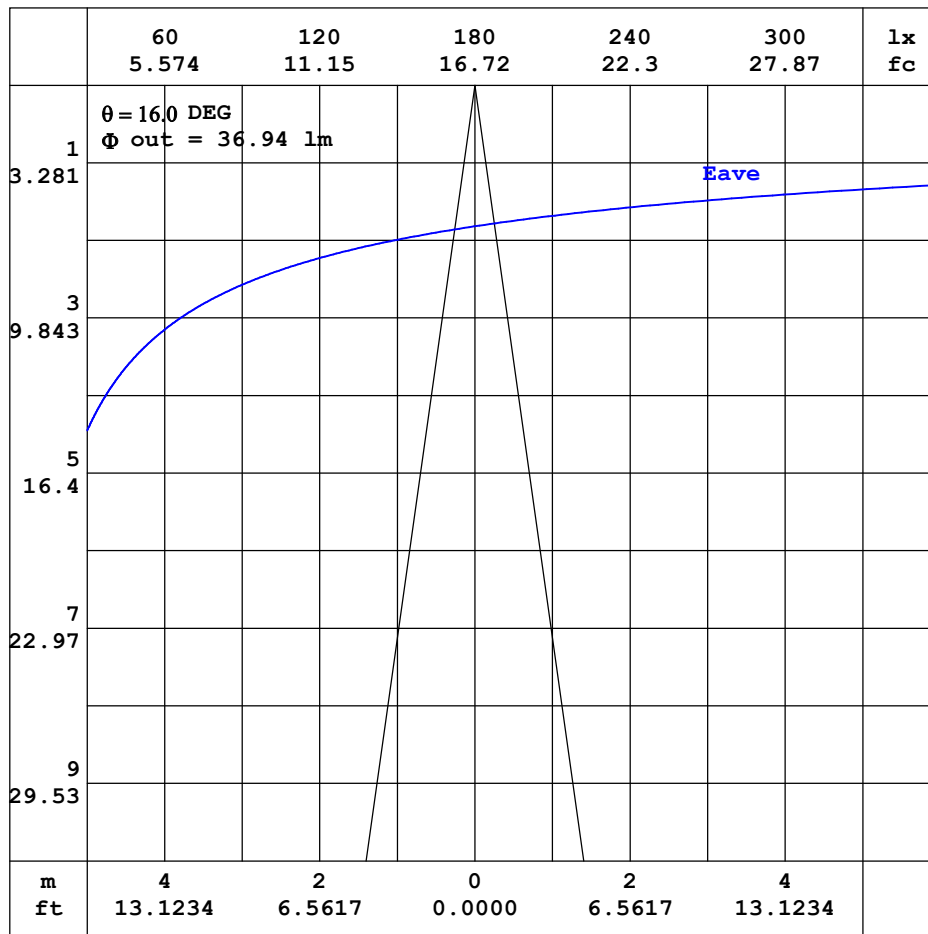
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:



### AAI CURVES

Test:U:119.0V I:0.2100A P:24.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3487.07x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:



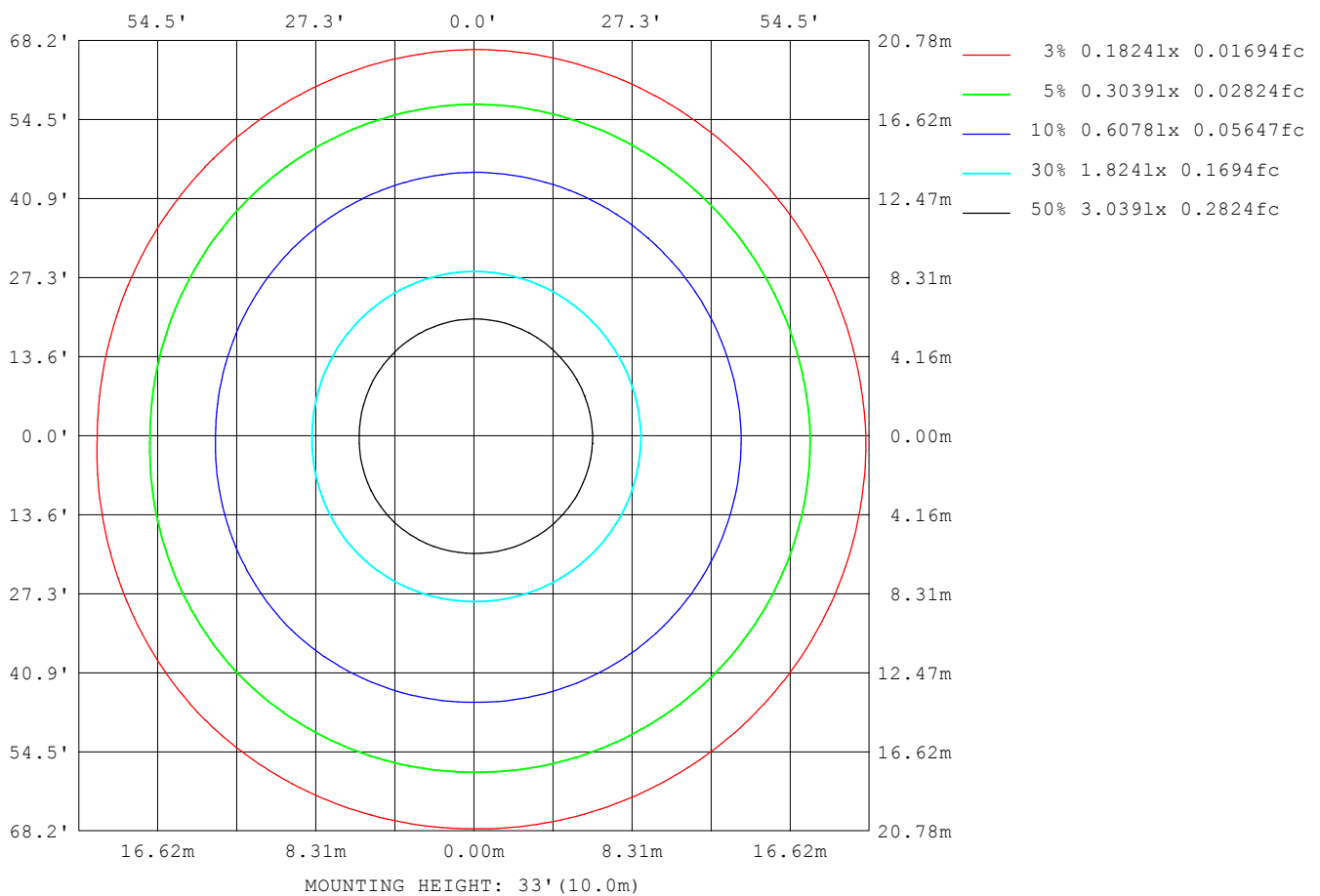
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:119.0V I:0.2100A P:24.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3487.07x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:119.0V I:0.2100A P:24.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3487.07x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

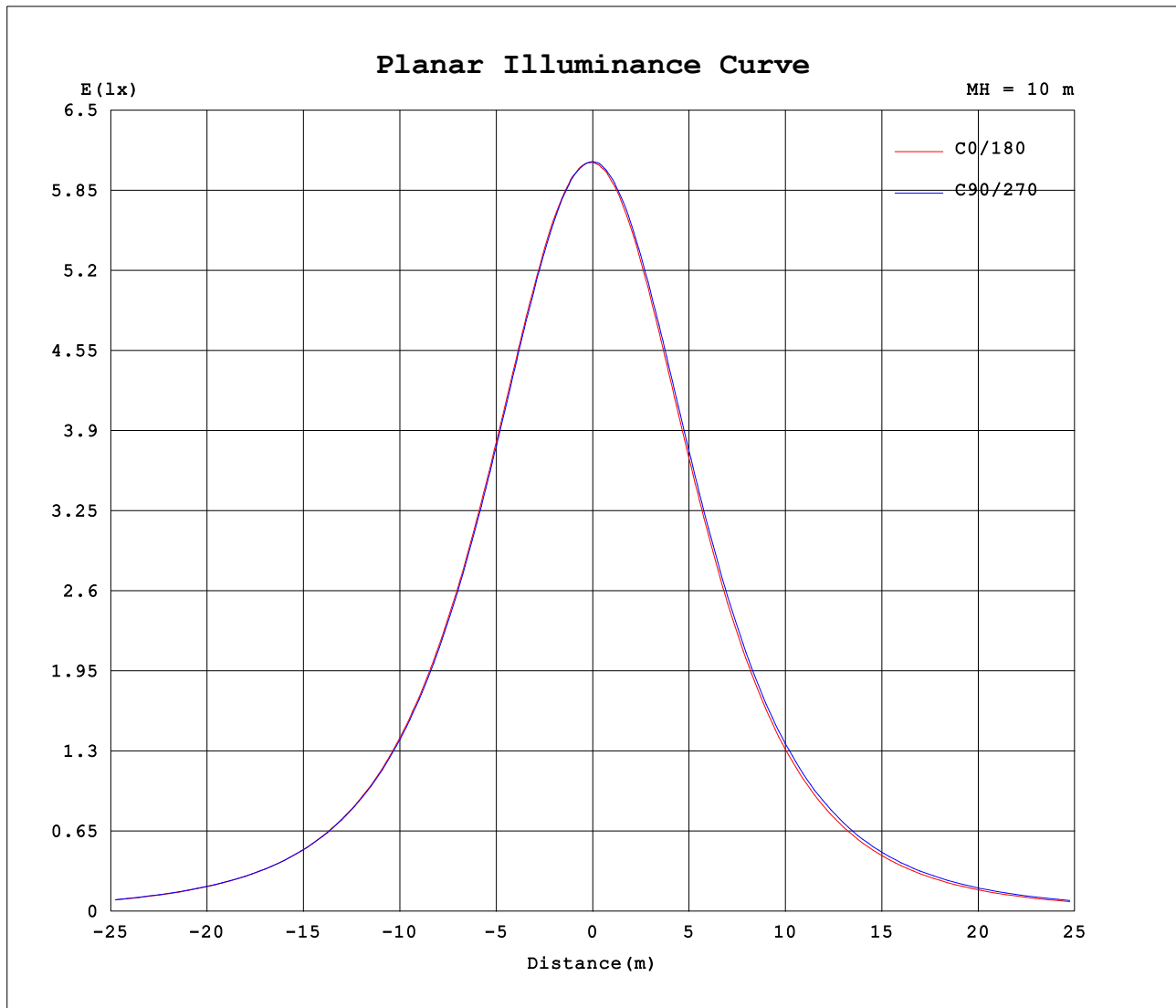
AvgL	cd/m2
L_0~180 (65) av	11030
L_0~180 (75) av	9163
L_0~180 (85) av	3962
L_90~270 (65) av	11613
L_90~270 (75) av	10364
L_90~270 (85) av	7348
L_45 (65) av	11412
L_45 (75) av	9785
L_45 (85) av	5533

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.0V I:0.2100A P:24.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3487.07x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
5	606	606	606	606	606	607	607	607	607	607	607	606	606	606	606	606	606	606	606
10	599	599	599	599	599	599	599	599	599	599	598	598	598	598	598	598	598	597	597
15	585	585	586	586	586	585	585	585	585	585	585	585	584	584	584	584	583	583	583
20	566	566	566	566	566	566	566	566	566	565	565	565	565	564	564	563	563	563	562
25	541	541	541	542	542	542	542	542	541	541	541	540	540	539	539	538	538	537	536
30	512	512	512	512	512	512	512	512	512	511	511	510	510	509	509	508	507	507	506
35	477	478	478	478	478	478	478	478	478	478	477	477	476	475	475	474	473	473	472
40	440	441	441	441	441	441	441	441	441	441	440	440	439	438	438	437	436	435	435
45	399	399	400	400	401	401	401	401	401	401	400	400	399	398	397	397	396	395	394
50	354	355	356	357	357	358	358	358	358	358	358	357	356	355	354	353	353	352	351
55	307	308	309	310	311	312	312	312	313	313	312	312	311	310	309	309	308	307	306
60	259	260	261	262	263	264	264	265	265	265	265	264	264	263	263	262	261	261	260
65	210	211	212	213	214	215	216	216	217	217	217	217	216	216	215	215	214	214	213
70	161	162	164	165	166	167	167	168	168	169	169	169	169	168	168	168	167	167	166
75	114	115	116	116	117	118	119	119	120	120	121	121	121	121	122	122	122	121	121
80	67.8	68.8	69.7	70.6	71.4	72.2	72.9	73.5	74.1	74.7	75.2	75.8	76.2	76.6	76.8	77.0	77.1	77.0	76.8
85	24.0	25.1	26.1	27.1	28.0	28.8	29.7	30.4	31.1	31.8	32.6	33.3	33.9	34.5	35.0	35.3	35.5	35.6	35.6
90	3.44	3.50	3.54	3.56	3.56	3.54	3.50	3.43	3.35	3.24	3.04	2.82	2.59	2.36	2.12	1.90	1.69	1.51	1.34
95	34.1	34.0	33.7	33.3	32.7	31.9	30.9	29.8	28.5	27.0	24.6	22.0	19.4	16.8	14.2	11.8	9.51	7.47	5.72
100	87.7	89.2	90.1	90.4	90.1	89.3	87.9	85.9	83.3	80.2	73.9	67.3	60.4	53.6	47.0	40.7	35.0	30.0	26.0
105	142	144	145	145	145	144	142	139	136	131	122	113	104	94.0	84.8	76.2	68.4	61.8	56.5
110	207	211	214	216	216	215	213	210	206	200	188	174	161	147	134	122	110	101	93.2
115	286	291	294	296	297	295	292	288	282	274	258	241	223	205	188	172	158	145	136
120	386	386	385	383	379	374	368	360	351	340	321	300	280	260	241	223	207	194	183
125	478	474	468	462	454	445	435	424	412	398	376	353	331	309	288	269	252	238	227
130	554	546	538	529	518	507	495	482	467	452	428	404	380	357	335	314	297	282	271
135	602	594	585	575	564	553	540	526	512	496	472	448	423	400	378	357	340	325	314
140	617	610	602	593	583	572	561	548	535	521	499	477	454	433	413	394	378	364	354
145	628	619	609	600	589	578	567	555	542	530	511	492	473	455	438	423	410	398	390
150	624	614	605	595	585	575	564	554	543	532	517	502	487	473	460	448	438	429	423
155	599	591	582	574	565	557	548	540	532	523	513	502	492	483	474	466	460	454	450
160	568	562	556	550	544	538	532	527	521	516	509	503	498	492	487	483	479	476	474
165	537	533	530	526	523	520	517	515	512	510	507	504	502	500	498	496	495	494	493
170	517	516	515	514	513	512	511	511	510	509	509	508	508	508	508	507	507	507	507
175	515	515	515	515	515	515	515	515	515	515	515	515	515	515	515	515	516	516	516
180	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.0V I:0.2100A P:24.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3487.07x1 lm		
NAME: 2FT	TYPE:3500K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.6*0.07	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	608	608	608	609	609	609	609	609	609	608	608	608	608	608	608	608	608	608	608
5	606	606	606	606	606	606	606	606	606	605	605	605	604	604	603	603	603	602	602
10	597	597	597	597	597	597	597	597	597	596	596	595	594	594	593	592	592	591	591
15	583	583	583	583	583	582	582	582	582	581	580	579	578	577	576	575	575	574	574
20	562	562	562	562	562	562	562	562	561	560	559	558	557	555	554	553	552	551	551
25	536	536	537	537	537	536	536	536	536	534	533	531	530	528	527	526	524	523	523
30	506	506	506	507	507	507	506	506	506	504	503	501	499	498	496	495	493	492	491
35	472	472	472	472	472	472	472	472	471	470	468	466	464	462	460	458	456	455	455
40	435	435	435	435	435	435	435	434	434	432	430	428	426	423	421	419	418	416	416
45	394	395	395	395	395	395	394	394	393	391	389	386	384	381	378	376	374	372	372
50	351	351	351	352	352	352	351	351	350	348	345	342	339	336	333	330	328	326	325
55	306	307	307	307	307	307	306	306	305	302	299	296	293	290	286	284	281	278	278
60	260	260	260	260	260	259	259	258	257	254	251	248	245	241	238	235	232	230	229
65	213	213	213	213	212	212	211	210	209	206	203	200	196	193	190	187	184	182	181
70	166	166	166	166	165	164	164	162	161	158	155	151	148	144	141	138	135	132	132
75	121	120	120	119	118	117	116	115	113	110	107	103	99.8	96.5	93.4	90.5	87.8	85.5	85.2
80	76.5	76.1	75.5	74.7	73.8	72.6	71.3	69.8	68.0	64.9	61.7	58.4	55.1	51.8	48.7	45.8	43.2	41.0	40.7
85	35.2	34.6	33.9	33.0	31.9	30.7	29.4	27.9	26.2	23.8	21.2	18.7	16.1	13.5	11.1	8.84	6.78	4.97	4.52
90	1.38	1.44	1.51	1.60	1.70	1.79	1.88	1.95	2.01	1.84	1.66	1.46	1.27	1.08	0.90	0.74	0.61	0.51	0.71
95	5.89	6.34	7.03	7.88	8.85	9.86	10.9	11.8	12.6	11.4	10.2	8.83	7.56	6.40	5.44	4.75	4.41	4.50	7.86
100	28.3	31.5	35.5	40.0	44.9	49.9	54.8	59.5	63.7	62.6	60.9	59.0	56.8	54.5	52.3	50.4	48.8	47.8	51.9
105	60.6	66.0	72.5	79.9	87.7	95.7	104	111	118	117	116	113	111	108	105	103	101	99.1	104
110	99.4	108	117	128	140	152	163	174	184	183	181	178	175	171	167	163	159	157	164
115	144	155	169	183	199	215	231	246	260	259	257	254	249	244	239	234	229	226	233
120	192	204	219	235	252	270	288	305	321	324	325	325	323	321	318	316	313	310	315
125	236	249	265	282	301	321	342	362	381	389	395	401	405	408	410	411	411	411	413
130	280	293	309	327	347	368	390	411	432	444	454	463	470	477	482	486	488	490	490
135	321	333	348	365	383	404	425	446	467	481	494	506	516	526	534	540	544	547	545
140	361	371	383	398	415	433	452	472	491	505	519	532	543	553	562	569	574	578	574
145	395	403	414	426	440	455	471	488	504	518	531	544	556	566	575	583	589	592	588
150	426	432	439	449	459	470	483	495	508	520	532	543	553	562	571	578	583	587	582
155	452	456	461	467	474	481	490	498	507	517	526	535	544	551	558	564	569	572	568
160	475	476	478	481	485	489	494	499	504	510	517	523	529	535	540	544	548	550	547
165	493	493	493	494	495	496	497	499	501	504	507	511	514	517	520	523	525	526	524
170	506	506	505	505	505	504	504	504	504	505	505	506	507	508	508	509	510	510	509
175	515	515	514	514	514	513	513	512	511	511	510	510	509	509	509	509	509	509	509
180	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.0V I:0.2100A P:24.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3487.07x1 lm																		
NAME: 2FT									TYPE:3500K 5.5					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:0.6*0.07					Shielding Angle:				

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
5	602	602	602	602	602	602	602	602	603	603	603	603	604	604	604	604	604	605	605
10	591	591	591	591	591	592	592	592	592	593	593	594	594	594	595	595	595	595	595
15	574	574	574	574	574	575	575	575	576	576	577	577	577	578	578	579	579	579	579
20	551	551	551	551	551	552	552	553	553	554	554	555	556	556	557	557	558	558	558
25	523	523	523	523	524	524	525	525	526	527	527	528	529	530	530	531	531	531	531
30	491	491	491	491	492	492	493	493	494	495	496	496	497	498	499	499	500	500	500
35	454	455	455	455	456	456	457	458	459	460	460	461	462	463	464	465	465	465	465
40	415	415	416	416	417	417	418	419	420	421	422	422	423	424	425	426	427	427	427
45	372	372	372	373	374	375	376	377	378	379	380	381	382	383	384	384	385	385	385
50	326	326	327	327	329	330	331	332	333	335	336	337	338	338	339	340	341	341	341
55	278	278	279	280	281	282	284	285	286	287	288	289	291	292	293	293	294	294	294
60	229	230	230	231	232	234	235	236	238	239	240	242	243	244	245	246	247	247	247
65	181	181	182	183	184	185	186	188	189	191	192	193	195	196	197	198	199	199	199
70	132	132	133	134	135	137	138	140	141	143	144	146	147	148	149	151	151	151	151
75	85.3	85.7	86.4	87.4	88.6	90.0	91.5	93.1	94.5	95.9	97.3	98.7	100	101	102	103	104	104	103
80	40.9	41.4	42.2	43.3	44.6	46.0	47.6	49.2	50.6	52.0	53.4	54.7	56.0	57.1	58.2	59.1	59.8	59.5	58.9
85	4.35	4.43	4.74	5.26	5.95	6.79	7.75	8.81	9.93	11.1	12.3	13.4	14.6	15.6	16.6	17.5	18.2	17.9	17.5
90	0.94	1.19	1.45	1.72	1.97	2.21	2.42	2.58	2.39	2.16	1.90	1.62	1.35	1.09	0.86	0.66	0.51	0.74	1.03
95	11.6	15.6	19.7	23.7	27.6	31.2	34.4	37.1	35.2	32.8	30.0	27.1	24.0	21.1	18.4	16.2	14.5	17.8	21.7
100	56.6	61.6	66.7	71.7	76.4	80.7	84.2	87.0	82.5	77.4	71.6	65.7	59.7	54.0	48.8	44.5	41.2	46.1	52.1
105	110	116	122	128	134	138	142	145	137	129	120	110	101	92.4	84.5	77.8	72.8	80.2	89.2
110	171	179	187	195	202	208	212	215	204	192	178	164	151	138	126	116	108	119	131
115	240	248	257	264	271	277	281	283	268	252	235	218	201	185	170	158	149	161	175
120	321	327	332	337	340	343	343	342	325	306	287	267	248	230	214	201	191	203	219
125	415	417	417	416	414	410	405	398	378	357	335	314	293	275	258	244	234	246	262
130	489	486	482	477	471	463	453	442	421	399	377	355	334	316	299	286	276	288	304
135	541	535	528	519	509	498	485	472	451	430	409	388	369	352	338	326	318	329	343
140	569	561	552	542	530	517	504	489	471	452	434	416	400	385	373	364	357	367	380
145	581	573	563	552	540	527	513	499	484	468	453	439	426	414	405	397	393	400	410
150	576	569	560	550	539	527	515	503	491	479	468	458	448	440	433	428	425	430	437
155	563	556	548	540	531	521	511	502	494	486	479	472	466	461	457	454	452	455	459
160	543	538	532	525	519	512	505	498	494	490	486	483	480	478	477	476	476	477	479
165	522	519	516	513	510	506	503	500	498	497	496	495	495	494	494	494	495	495	495
170	509	508	507	506	505	504	503	503	503	503	504	504	505	506	507	507	508	508	508
175	510	511	512	513	514	515	516	517	517	517	517	517	517	517	517	516	516	516	516
180	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.0V I:0.2100A P:24.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3487.07x1 lm																	
NAME: 2FT									TYPE:3500K 5.5						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:0.6*0.07						Shielding Angle:		

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	608	609	609	609	609	609	609	608	608	608	608	608	608	608	608				
5	605	605	605	605	605	605	605	605	605	605	606	606	606	606	606				
10	595	595	595	595	595	595	595	596	596	596	596	597	597	598	598				
15	579	579	579	579	579	579	579	579	580	580	581	582	583	583	584				
20	558	558	558	558	558	558	558	558	559	560	560	561	562	563	565				
25	531	531	531	531	531	531	531	532	532	533	534	535	536	538	539				
30	500	500	500	500	500	500	501	501	502	503	504	505	507	508	510				
35	465	465	465	465	465	465	465	466	467	468	469	471	472	474	475				
40	427	427	427	427	427	427	427	428	429	430	432	433	435	436	438				
45	385	385	385	385	385	385	386	387	387	389	390	391	393	395	396				
50	341	341	341	341	341	341	342	342	343	344	346	347	348	350	352				
55	294	294	294	294	294	294	294	295	296	297	298	300	301	303	305				
60	247	246	246	246	245	245	245	246	247	248	249	251	253	255	257				
65	198	198	198	197	197	197	197	197	198	199	200	202	204	206	208				
70	150	150	149	148	148	147	147	148	149	150	151	153	154	156	159				
75	103	102	101	101	100	99.7	99.5	100	101	102	103	105	107	109	111				
80	58.3	57.6	57.0	56.3	55.7	55.3	55.0	55.6	56.3	57.3	58.5	59.9	61.6	63.4	65.5				
85	17.0	16.5	15.9	15.3	14.8	14.4	14.2	14.6	15.2	15.9	16.8	17.9	19.2	20.6	22.2				
90	1.36	1.71	2.09	2.47	2.84	3.20	3.53	3.67	3.78	3.85	3.87	3.86	3.81	3.73	3.60				
95	25.9	30.5	35.1	39.7	44.1	48.2	51.7	52.4	52.5	51.9	50.6	48.7	46.0	42.7	38.7				
100	58.9	66.2	73.9	81.7	89.3	96.4	103	105	106	106	106	104	101	97.7	93.2				
105	99.4	111	122	134	145	156	166	169	171	171	170	167	163	157	150				
110	145	161	177	193	209	225	238	243	245	246	244	241	235	228	218				
115	193	212	231	252	272	291	308	315	319	321	321	318	314	307	298				
120	237	257	278	301	323	345	365	375	383	389	393	396	396	395	391				
125	280	301	324	348	372	396	419	432	443	453	461	467	472	476	478				
130	322	343	366	391	416	440	465	480	493	505	517	526	535	542	549				
135	361	381	403	426	450	475	498	514	528	542	554	566	576	586	594				
140	395	413	432	453	474	496	517	531	544	557	569	580	590	600	609				
145	422	436	452	469	486	504	522	535	547	560	572	584	595	606	617				
150	446	456	468	480	493	507	521	533	544	555	566	578	589	601	612				
155	464	470	477	485	493	502	512	520	529	538	547	557	567	577	588				
160	481	484	488	492	497	502	507	513	518	524	531	537	545	552	560				
165	496	496	497	499	500	502	504	507	509	512	516	519	523	527	532				
170	508	508	508	508	508	508	508	508	509	510	511	512	513	514	515				
175	515	515	515	515	514	514	514	514	514	514	514	514	515	515	515				
180	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks: